

What is claimed is:

1. A flame retardant polycarbonate resin composition comprising 100 parts by weight of a polycarbonate resin (A), 0.01 to 3 parts by weight of a silicone compound (B) having a branched chain structure and organic functional groups, wherein said organic functional groups comprise (i) aromatic groups or (ii) aromatic groups and hydrocarbon groups (excluding aromatic groups), 0.5 to 20 parts by weight of a phosphazene compound (C), 0.01 to 2 parts by weight of an organometallic salt (D) and 0.01 to 2 parts by weight of a fiber-forming type fluorine-containing polymer (E).

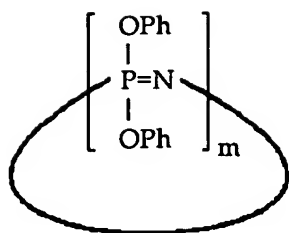
2. The flame retardant polycarbonate resin composition of claim 1 wherein said silicone compound (B) contains at least 20 mole % of units having the formula $\text{RSiO}_{1.5}$ (T units) and/or units having the formula $\text{SiO}_{2.0}$ (Q units) based on the total siloxane units ($\text{R}_{3-0}\text{SiO}_{2-0.5}$), wherein R represents an organic functional group.

3. The flame retardant polycarbonate resin composition of claim 1 or 2 wherein at least 20 mole % of the organic functional groups contained in the silicone compound (B) are aromatic groups.

4. The flame retardant polycarbonate resin composition of any one of claims 1 to 3 wherein said aromatic groups in the organic functional groups contained in the compound (B) are phenyl groups, the side chains that are not phenyl groups are methyl groups and the terminal groups are at least one selected from the group consisting of methyl group, phenyl group and hydroxyl group.

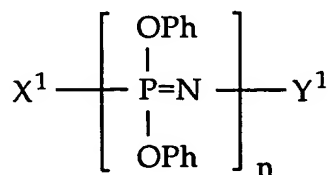
5. The flame retardant polycarbonate resin composition of any one of claims 1 to 4 wherein said phosphazene compound is at least one selected from the group consisting of:

(1) a cyclic phenoxyphosphazene represented by the general formula (Chemical formula 1)



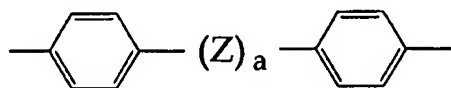
(wherein m represents an integer of 3 to 25, and Ph represents a phenyl group),

(2) an open-chain phenoxyphosphazene represented by the general formula (Chemical formula 2)



(wherein X¹ represents ·N=P(OPh)₃ or ·N=P(O)OPh, Y¹ represents ·P(OPh)₄ or ·P(O)(OPh)₂, n represents an integer of 3 to 10,000 and Ph represents a phenyl group), and

(3) a crosslinked phenoxyphosphazene compound obtained by crosslinking at least one compound selected from the group consisting of said cyclic phenoxyphosphazenes and said open-chain phenoxyphosphazenes with at least one crosslinking group selected from the group consisting of o-phenylene group, m-phenylene group, p-phenylene group and bis-phenylene group represented by the general formula (Chemical formula 3)



(wherein Z represents —C(CH₃)₂—, —SO₂—, —S— or —O— and a represents 0 or 1),

wherein (a) said crosslinking group exists between the two oxygen atoms where phenyl groups of the phosphazene compounds have been removed, (b) the proportion of phenyl groups is 50% to 99.9% based on the total number of total phenyl groups in said phosphazene compound (Chemical formula 1) and/or said phosphazene compound (Chemical formula 2) identified above, and (c) no free hydroxyl group is present in the molecule.

6. The flame retardant polycarbonate resin composition of any one of claims 1 to 5 wherein said organometallic salt (D) is a metal salt of an aromatic sulfonic acid or a metal salt of a perfluoroalkane sulfonic acid.

5 7. The flame retardant polycarbonate resin composition of any one of claims 1 to 6 wherein said fiber-forming fluorine-containing polymer (E) is polytetrafluoroethylene.

10 8. The flame retardant polycarbonate resin composition of any one of claims 1 to 7 wherein 5 to 25 parts by weight of titanium oxide (F) and 0.05 to 2 parts by weight of a poly(organo hydrogen siloxane) (G), per 100 parts by weight of a polycarbonate resin (A), are further added.

15 9. The flame retardant polycarbonate resin composition of claim 8 wherein said titanium oxide (F) is a titanium oxide the surface of which is treated by a phosphoric acidized polyene.

20 10. The flame retardant polycarbonate resin composition of claim 9 wherein the extent of the surface treatment of said titanium oxide (F) is that the weight of contained phosphorus is about 0.04% to 0.1% by weight based on the weight of the titanium oxide.